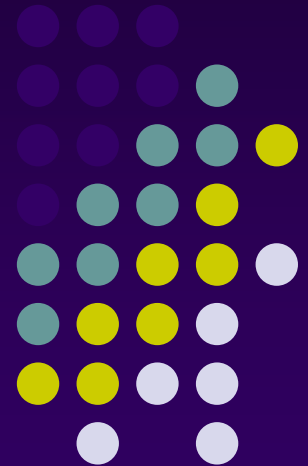


# Recommendations from the Energy / Renewable Energy Working Group (WG4)

MV Environmental Sustainability  
Task Force





# Members and Participants

## Working Group Members

- Bruce Karney, Chair
- Julie Lovins
- Scott Peterson
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- Mike Balma
- David Saxton
- Les Montavon

## Public Input Participants

- Jon Saunders
- Wendee Crofoot
- Steven Bishop
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- Margarete Leclerc
- James Kempf
- Deb Henigson
- Anthony Ravitz
- Craig Sherod
- Ryan Sherod
- Drew Williams
- Ben Baumgartner
- Donald Letcher



## Obtain a GHG-reduction mandate

- City Council should place a referendum like Berkeley's 2006 Measure G on the November, 2008 ballot
  - Alternatively, a random survey of 500-1000 households should be performed if the ballot measure cannot be implemented in November due to timing or financial constraints



## Text of Berkeley's Measure G (2006)

- *Should the People of the City of Berkeley have a goal of 80% reduction in greenhouse gas emissions by 2050 and advise the Mayor to work with the community to develop a plan for Council adoption in 2007, which sets a ten year emissions reduction target and identifies actions by the City and residents to achieve both the ten year target and the ultimate goal of 80% emissions reduction?*
- Passed with **81% Yes** / 19% No



# Top 10 Recommendations

1. Set renewable energy goals
2. Educate residents about the benefits of renewable energy
3. Provide free energy audits
4. Sign up for PG&E's ClimateSmart program
5. Promote enrollment in PG&E's ClimateSmart program
6. Install solar on City property and encourage schools to do the same
7. Encourage participation in Demand Response programs
8. Encourage property owners to undertake energy-efficiency upgrades
9. Implement a pilot program to provide solar PV for affordable apartments
10. Promote solar water heating



# #1 Set renewable energy goals

- The City should set up a system for determining our current installed inventory of renewable energy sources (photovoltaic, solar hot water heating, etc.) and for tracking newly-installed systems
  - Set annual goals for increasing the renewable energy share
  - Annually publicize Mountain View's overall energy consumption and the share derived from renewable sources

## #2 Educate residents about the benefits of renewable energy



- Make the adoption of renewable energy a top priority in Mountain View
  - Support this pro-renewable policy with a well-funded, multi-year public education campaign



## #3 Provide free energy audits

- The City should implement a modified version of the Cambridge Energy Alliance (CAE) program
  - The City should offer free energy audits to high-opportunity small business and residences by contracting with energy services companies
  - Possible co-funding sources include BAAQMD, California Air Resources Board, PG&E and non-profit environmental organizations



## #4 Sign up for PG&E's ClimateSmart program



- Enroll the City in PG&E's ClimateSmart program to offset 100% of the CO2 that is produced as a by-product of the electricity and natural gas that city operations consume
  - As soon as PG&E offers an option to purchase “green power” from renewable sources, the City should sign up for it. (We believe it is likely that a green power option will be available within 18 months.)

## #5 Promote enrollment in PG&E's ClimateSmart program



- Implement a one year Utility Tax Holiday (electricity and gas only) for residents and businesses that sign up for ClimateSmart
  - The expectation is that many customers will stay signed up for ClimateSmart even after the tax holiday ends, thus leveraging the city's contribution

## #6 Install solar on City property and encourage schools to do the same



- Establish a goal to install solar water heating and solar photovoltaic systems where the potential for energy generation is high
  - Whenever possible, use Power Purchase Agreements (PPAs) to eliminate capital expenditures
  - Encourage local schools to “go solar” by proactively sharing the expertise gained in City solar projects
  - Prioritize installation on highly visible locations such as the Library and Shoreline Park

## #7 Encourage participation in Demand Response programs



- Provide a time-limited utility tax reduction to Commercial and Industrial customers that participate in PG&E / Aggregator Demand Response (DR) programs
- Raise the utility tax rate for non-participating firms for the same duration, thereby providing greater economic impetus for participation and revenue-neutrality for the City
  - Once customers experience the benefits of DR, the utility tax rate stimulus will no longer be required and the reduced CO<sub>2</sub>(e) emissions will be maintained

## #8 Encourage property owners to undertake energy-efficiency upgrades



- Double-match PG&E's rebates in 2009 and match them in 2010. Eligible investments include:
  - CFL lighting
  - LCD monitors
  - Ceiling and wall insulation and window film
  - Duct sealing, efficient furnaces, HVAC
  - Whole-house fans, room air conditioners
  - Pool pumps and motors
  - Refrigerators, freezers and water heaters
  - Clothes washers and dishwashers

## #9 Implement a pilot program to provide solar PV for affordable apartments



- Investigate the feasibility of giving solar systems to certain apartment owners who agree to not raise rents by more than 2.5%/year for 5-7 years as a way to preserve affordable housing and reduce GHGs
  - Program would only be available to 2+ bedroom units that rent for less than the average rent per sq. ft. of similar MV apartments – i.e., the more affordable half of Mountain View’s rental housing stock
  - Rent savings to tenants would be approximately equal to the value of the PV system
  - Pilot program should include 100-300 apartments



## #10 Promote solar water heating

- The City should promote and facilitate the adoption of residential and commercial solar water heating
  - Specific steps being considered range from publicizing the advantages to requiring it on new buildings to providing city-funded loan programs